**REPLY/AMENDMENT
FEE TRANSMITTAL**

Attorney Docket No.	8AC4-DIV1
Application Number	09/501,621
Filing Date	2/9/2000
First Named Inventor	Mills
Group Art Unit	1754

AMOUNT ENCLOSED \$ 760

Examiner Name Kalafut

FEE CALCULATION (fees effective 10/01/97)

CLAIMS AS AMENDED	Claims Remaining After Amendment	Highest Number Previously Paid For	Number Extra	Rate	Calculations
TOTAL CLAIMS	271	271	0 ⁽³⁾	X \$18.00 =	
INDEPENDENT CLAIMS	2	3	0	X \$78.00 =	
Since an Official Action set an <u>original</u> due date of <u>1/6/2005</u> , petition is hereby made for an extension to cover the date this reply is filed for which the requisite fee is enclosed (1 month (\$110); 2 months (\$400); 3 months (\$950); 4 months (\$1,510); 5 months (\$2,060)): 3 Months					1020
Notice of Appeal					500
Total of above Calculations =					\$1520
Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27 & 1.28)					-760
TOTAL FEES DUE =					\$760
<small>(1) If entry (1) is less than entry (2), entry (3) is "0". (2) If entry (2) is less than 20, change entry (2) to "20". (4) If entry (4) is less than entry (5), entry (6) is "0". (5) If entry (5) is less than 3, change entry (5) to "3".</small>					

METHOD OF PAYMENT

- ☒ Check enclosed as payment.
- ☐ Charge "TOTAL FEES DUE" to the Deposit Account No., below.

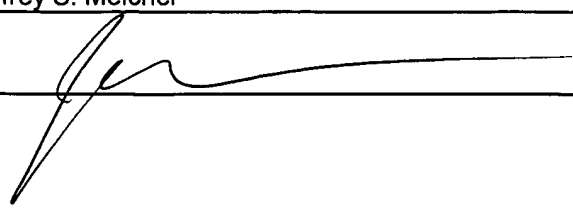
AUTHORIZATION

- ☒ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees under 37 CFR 1.16 or 1.17 necessary to maintain pendency of the present application to:

Deposit Account No.: 50-0687

Order No.: (Client/Matter) 62226

SUBMITTED BY: Manelli Denison & Selter, PLLC

Typed Name	Jeffrey S. Melcher	Reg. No.	35,950
Signature		Date	April 5, 2005



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of
Inventor(s): Mills

Group Art Unit: 1754

App'n Ser. No.: 09/501,621

Examiner(s): Kalafut for the
Secret Committee

Filing Date: 02/09/2000

Title: DOPED THERMIONIC CATHODE AND METHOD OF MAKING THE DOPED
THERMIONIC CATHODE

* * * * *

April 5, 2005

RESPONSE TO FINAL OFFICE ACTION AND
NOTICE OF APPEAL

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant files this paper in response to the Final Office Action mailed October 6, 2004. Please consider this paper a Petition for a three-month extension of time and a Notice of Appeal.

Reconsideration and allowance of the subject application are respectfully requested. Claims 1-272 are pending in the application.

Submitted with this Response is new, non-cumulative scientific evidence further demonstrating the existence of lower energy states of hydrogen in a number of different ways, including, but not limited to, studies of spectroscopic lines, energy output, compositions of matter, generated plasmas, and inverted hydrogen populations. As detailed below, Applicant also identifies independent third-party data pursuant to the PTO's agreement, which evidence resulted in verbal confirmation by Examiner Wayne Langel that two BlackLight applications formally handled by him were allowable before he was told to misrepresent that fact and, thus, was forced to resign from examining those cases "for moral and ethical reasons."

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01 FC:2401 510.00 0P
02 FC:2253